

AN ADJUSTABLE SET OF PEDALS FOR A MOTOR VEHICLE

TECHNICAL FIELD

The present invention relates to an adjustable set of
5 pedals for a motor vehicle.

BACKGROUND ART

Motor vehicles currently on the market are provided with
a driving position comprising a driving seat, a steering
10 wheel, a set of pedals, and a dashboard. Since the
physical characteristics of the person or persons that
will drive the motor vehicle are not known *a priori*, it
is necessary to provide a series of adjusting devices,
which enable the positions of the various components of
15 the driving position to be varied with respect to one
another so as to adapt the proportions of the driving
position to the physical characteristics of the driver.
In the majority of motor vehicles available on the
market, the set of pedals and the dashboard are arranged
20 in fixed positions, the steering wheel is generally
height-adjustable, and the seat is adjustable both as
regards the height and as regards its distance from the
steering wheel. The solution that envisages maintaining
the dashboard, set of pedals, and steering wheel
25 substantially fixed and pushing the seat forwards and
backwards is simple and inexpensive to produce and is
hence used in the vast majority of motor vehicles.
However, this solution also presents some drawbacks in

so far as is it is impossible to provide a geometry of the dashboard that will enable its instrumentation to be properly visible in every seat position.

Furthermore, the solution just described entails the 5 construction of a driving position that is relatively extensive in length so as to obtain a sufficiently long travel of the seat. The requisite is fully acceptable in a motor vehicle with four or more seats, i.e., in a motor vehicle that is also provided with rear seats, but 10 can prove problematical in a two-seater motor vehicle, i.e., in a motor vehicle without rear seats, which has an overall length of the passenger compartment that is relatively small.

To overcome the drawbacks described above solutions have 15 been proposed in which the driving seat is fixed and the set of pedals and the steering wheel are mobile with respect to the seat so as to vary their distance from the seat.

In particular, many solutions have been proposed to 20 provide an adjustable set of pedals for a motor vehicle. However, the known solutions present various drawbacks in so far as they have a very short stroke of adjustment, are complex, and are difficult to produce.

US2860720 discloses an adjustable toeboard for an 25 automobile; the toeboard is swingably mounted and means are provided for adjusting the angular position of the toeboard to swing it toward or away from the seat.

US3151499 discloses an adjustable pedal for vehicle

having a system for adjusting the positions of the brake and accelerator pedals to a particular operator without changing the motion transmitting relationships of the pedals to the systems being controlled by pedal actuation.

DISCLOSURE OF INVENTION

The purpose of the present invention is to provide an adjustable set of pedals for a motor vehicle that will be free from the drawbacks described above and will be simple and inexpensive to produce.

According to the present invention an adjustable set of pedals for a motor vehicle is provided as recited in the attached Claims.

15 BRIEF DESCRIPTION OF THE DRAWINGS

The present invention will now be described with reference to the annexed plate of drawings, which illustrate a non-limiting example of embodiment thereof, wherein:

20 Figure 1 is a schematic perspective view of a preferred embodiment of the adjustable set of pedals according to the present invention;

Figures 2 and 3 are two side views of the adjustable set of pedals of Figure 1, illustrated in two different 25 operative positions;

Figure 4 is a longitudinal sectional view of a first detail of Figure 1, illustrated in two different operative positions; and